

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

AN INVESTIGATION OF THE UNION	)	
LIGHT, HEAT AND POWER COMPANY'S	)	
PROPOSAL TO CONSTRUCT AN ELECTRIC	)	CASE NO. 94-191
SUBSTATION ON HAZEL DRIVE,	)	
FLORENCE, KENTUCKY	)	

O R D E R

Pursuant to KRS 278.260 and 278.280, the Commission HEREBY  
ORDERS that:

1. Union Light, Heat and Power Company ("ULH&P") is enjoined  
from constructing or building any electric substation in the  
vicinity of Hazel Drive, Florence, Kentucky, pending the completion  
of this investigation.

2. Within 21 days of the date of this Order, ULH&P shall  
file with the Commission, with a copy to all parties of record, the  
original and 10 copies of the information listed in Appendix A.  
ULH&P shall furnish with each response the name of the witness who  
will be available at any public hearing to respond to questions  
concerning each item of information requested.

Done at Frankfort, Kentucky, this 15th day of July, 1994.

ATTEST:

PUBLIC SERVICE COMMISSION

  
Executive Director

  
For the Commission

## APPENDIX A

### APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE COMMISSION IN CASE NO. 94-191 DATED July 15, 1994

Within 21 days of the date of this Order, ULH&P shall file with the Commission, with a copy to all parties of record, the original and 10 copies of the information listed in Appendix A. ULH&P shall furnish with each response the name of the witness who will be available at any public hearing to respond to questions.

1. Identify and discuss any potential health risks from electro-magnetic fields which the proposed substation may pose to nearby residents.

2. Identify and discuss the aesthetic impact of the proposed substation, if any, on the adjoining area.

3. Describe the area in which the proposed substation is to be located.

4. Why was Hazel Drive selected as the location for the proposed substation?

5. Provide the literature which ULH&P distributed at its open-house meeting on May 10, 1994.

6. Provide the engineering planning analysis which demonstrates the need for the proposed substation. Such analysis should include:

- a. Distribution circuit analyses of the existing and proposed systems;

- b. Circuit diagrams of the existing and proposed systems; and

7. Engineering economic analyses of all alternatives considered. (Such analyses should include such alternatives as voltage conversions, replacement of existing wire with larger gauge wire, and alternative substation sites.)

8. State the proposed substation's capacity in megawatts.

9. State the proposed substation's expected annual peak demands for its first 20 years of operation.

10. State the proposed substation's transmission and distribution voltages.

11. a. State the proposed substation's estimated total cost.

b. Provide a schedule which itemizes the proposed substation's cost.

12. State the proposed substation's planned beginning and ending construction dates.

13. Provide a detailed map showing the location of the proposed substation and all property boundaries and structures within 500 yards of the proposed substation.

14. Provide a diagram which shows the proposed substation location, nearby structures, and the estimated electro-magnetic field attributable to the transmission line and the substation for the scenarios listed below. Each diagram shall be an overhead view showing field strengths as contour lines spaced 50 feet apart or less, shall show field strength measured at a height of approximately 1 meter, and show fields attributable to the substation and transmission line greater than .49 mG. Field

strength estimates made with and without fields attributable to residences within the area, such as fields generated by internal wiring and electrical appliances, are desirable but not required. State whether such fields are included.

a. Existing transmission line without the proposed substation.

b. Existing transmission line with the proposed substation.

15. a. Has ULH&P purchased or leased the property on which the proposed substation is to be located?

b. If no, state the expected date of purchase or leasing.